

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Sub: Revised administrative approval for erection of 132/33 kV Substation at Bhavanipuram in Krishna district along with connected 132 kV & 33 kV lines – Accorded.

T.O.O (CE-Construction-I) Ms. No.72

Dated: 13.06.2013

APSPDCL have proposed for erection of 132/33 kV substation at Bhavanipuram in Krishna district to meet increased load on 33/11 kV substations and also to reduce 33 kV line losses. Load flow studies were conducted by the Chief Engineer (Power Systems) for erection of above 132/33 kV substation and it is observed that the 132/33 kV substation at Bhavanipuram in Krishna district is essential to reduce the overloaded 33 kV feeders and 33 kV substations and to improve voltage conditions and quality & reliability of power supply in the area.

Subsequently administrative approval issued vide TOO No. CE(Construction-I) Ms. No. 25 Dt. 24.04.2013 for construction of 132/33 kV Substation at Bhavanipuram in Krishna district along with 0.50 KM of 132kV LILO of 2 nd circuit of 132 kV Kondapally - Vijayawada DC line to the proposed 132/33 kV Bhavanipuram Substation and 3.16 KM Modification of 132 kV Double circuit towers to Multi circuit towers from loc. 51 to Loc. 62 of 132 kV Kondapalli - Vijayawada line at an amount of **Rs. 1432 .00 Lakhs**

Chief Engineer/Power Systems proposed that the existing panther conductor of the 132 kV circuits i.e., 132 kV Kondapally – Vijayawada, 132 kV Kondapally – Bhavanipuram and 132 kV Bhavanipuram – Vijayawada must be replaced with equivalent HTLS conductor to carryout the proposed loads in normal and Contingency conditions.

Chief Engineer/Power Systems also informed that the above reconductoring works are part of system strengthening works considering the filed constraints and also loads to be incident on 132 kV Vijayawada SS and the proposed 132 kV Bhavanipuram SS and requested that the above reconductoring works i.e., replacement of existing panther conductor of the 132 kV circuits i.e., 132 kV Kondapally – Vijayawada, 132 kV Kondapally – Bhavanipuram and 132 kV Bhavanipuram – Vijayawada must be replaced with equivalent HTLS conductor should also be included in the administrative approval for erection of 132/33 kV Substation at Bhavanipuram in Krishna district.

After careful consideration, APTRANSCO accords revised administrative approval for erection of 132/33 kV Substation at Bhavanipuram in Krishna district along with other associated works as below at an amount of **Rs. 1583.00 Lakhs**

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ABSTRACT OF THE ESTIMATE

Sl. No.	Description	Unit	Qty	RATE PER UNIT Rs.LAKHS	AMOUNT IN Rs.LAKHS
1	132/33 kV Substation at Bhavanipuram with 2 x 31.5 MVA PTR Capacity	No	1	1086.00	1086.00
2(a)	132kV LILO of 2 nd circuit of 132 kV Kondapally - Vijayawada DC line to the proposed 132/33 kV Bhavanipuram Substation	KM	0.50	51.00	25.50
2 (b)	Modification of 132 kV Double circuit towers to Multi circuit towers from loc. 51 to Loc. 62 of 132 kV Kondapalli - Vijayawada line	KM	3.16	89.00	281.24
2 (c)	Replacement of existing Panther conductor of the 132 kV circuits with AL-59 conductor i.e on i) 132 KV Kondapally - Vijayawada ii) 132 kV Kondapally - Bhavanipuram iii) 132 kV Bhavanipuram - Vijayawada lines	KM	40.00	LS (Data Sheet enclosed)	151.00
3	33 kV line with 100 Sqmm AAAC	KM	3.50	2.50	8.75
4	Communication facility(PLCC)	No	1	30.10	30.10
Total cost of works					1582.59

Or Say Rs.1583.00 Lakhs

The earlier administrative approval issued vide TOO No. CE(Construction-I) Ms. No. 25 Dt. 24.04.2013 for **Rs. 1432.00 Lakhs** for the above works is herewith cancelled.

The scheme will be executed with financial assistance from M/s. Power Finance Corporation Ltd., New Delhi/ M/s Rural Electrification Corporation Limited, New Delhi / other funding agencies and with APTRANSCO funding in case full loan is not sanctioned by M/s. Power Finance Corporation Ltd., New Delhi /M/s Rural Electrification Corporation Limited / other funding agencies. The cost of the 33 kV lines at Item No.3 of the above Abstract of Estimate will be borne by APSPDCL.

The Chief Engineer / Construction-II is hereby authorized to take up the above works after financial tie-up is completed. This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O. No. 2240 Dated; 04.06.2013. Investment approval is not required as the amount is below Rs. 20.00 Crores as per APERC Proceedings No. 28/APERC/Secy/Dir(Engg)/E- 725 /2013 dated 06.05.2013

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"In exercise of the powers conferred by G.O. Ms. No. 115 dated 07.10.2003 of Government of Andhra Pradesh, APTRANSCO or their authorized representatives shall have the powers that the Telegraphic Authority possesses under the provision of the Indian Telegraph Act 1885 (13 of 1885) for placing of any wires, poles, towers etc., for Transmission of electricity or for the purpose of telephonic or telegraphic communication facility necessary for the proper coordination of the works of the APTRANSCO.

BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Sd/-
DIRECTOR/ TRANSMISSION

To,
The Chief Engineer/Construction-I/Vidyut Soudha/Hyderabad.

Copy to:

The Chairman & Managing Director/APSPDCL.

The Executive Director / Planning, RAC & Reforms/V.S./Hyd.

The Chief Engineer/Construction-II/Vidyut Soudha/Hyderabad.

The Chief Engineer /Power Systems

The Chief Engineer/EA,O, RE&IT :- With a request to place the TOO in website

The Chief Engineer/ Transmission

The Chief Engineer /Lift Irrigation

The Chief Engineer/ Vijayawada Zone/ Vijayawada

The Chief Engineer/Telecom/VS/Hyderabad

FA & CCA (CF)/Vidyut Soudha/Hyderabad

FA & CCA (A&E)/Vidyut Soudha/Hyderabad

The Superintending Engineer/TL&SS/ Vijayawada

The Superintending Engineer/TLC/ Vijayawada

The Superintending Engineer/Op/APSPDCL/ Vijayawada

The Superintending Engineer/PM-I/Construction-I/VS/Hyd.

The Superintending Engineer/PM-II/Construction-II/VS/Hyderabad.

Personal Secretary to the Chairman & Managing Director

Personal Secretary to the Joint Managing Director / HRD Comml, IPC, & IT

Personal Secretary to the Joint Managing Director/Vigilance & Security,

Personal Secretary to the Director/Finance & Revenue,

Personal Secretary to Director/Projects

Personal Secretary to Director/Grid Operation

Personal Secretary to Director/Transmission

DE-3 of SE/PM- II O/o CE/Construction-II

✓ T.O.O Section

FORWARDED BY ORDER

J. Jyothi
13/6/13

ASSISTANT DIVISIONAL ENGINEER